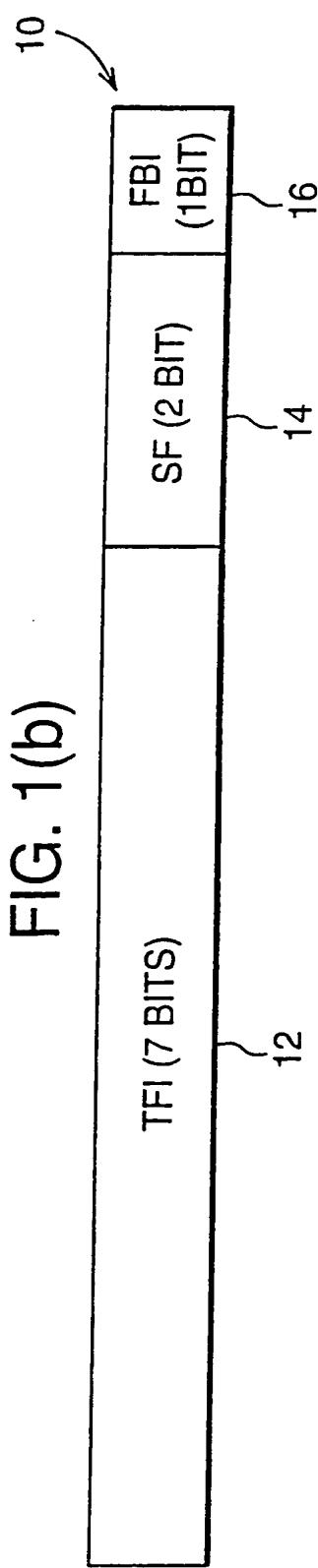
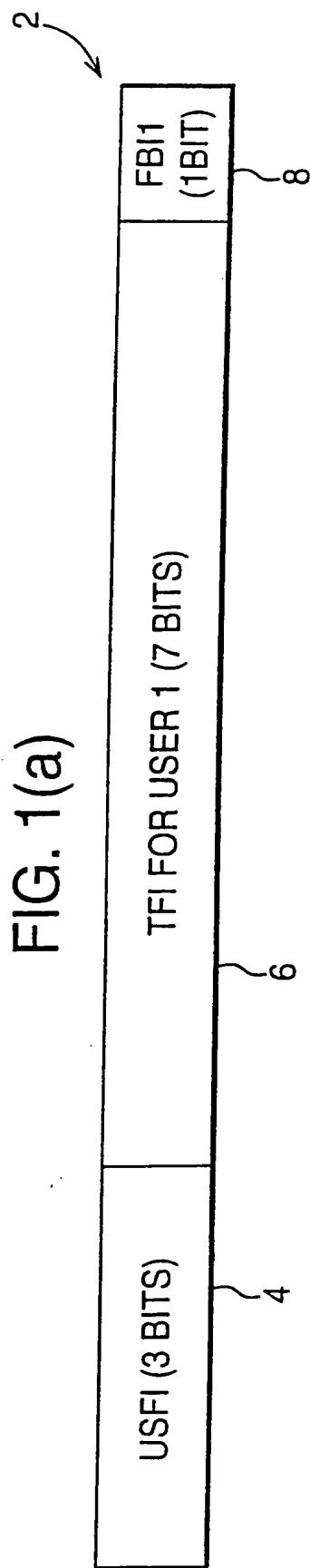


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FIG. 2(a)

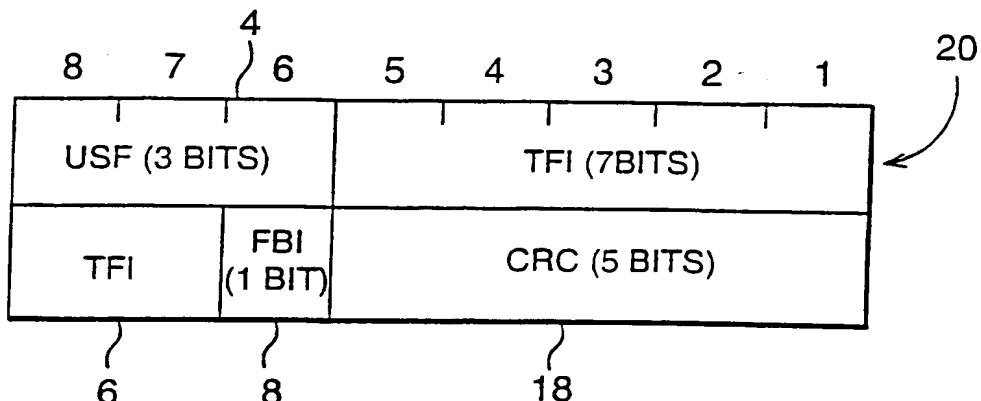


FIG. 2(b)

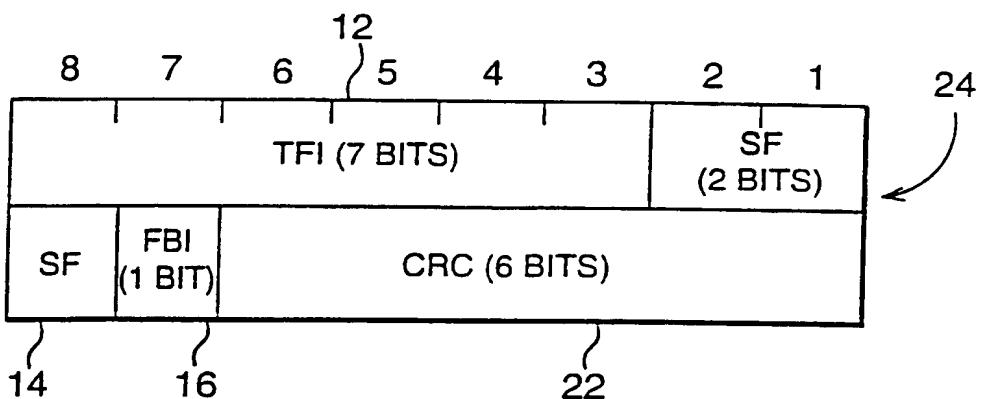


FIG. 3(a)

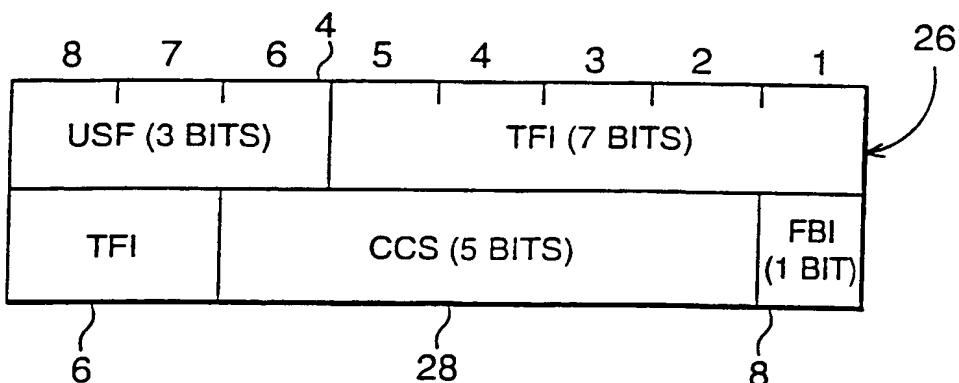
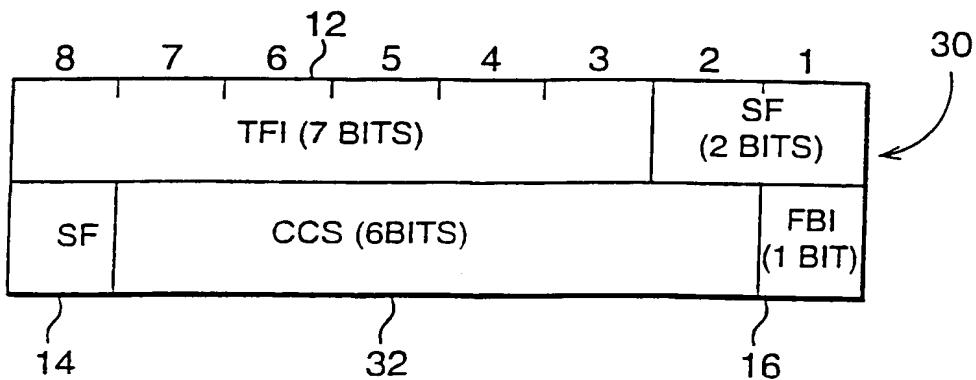


FIG. 3(b)



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40

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FIG. 4(a)

36

34

C/I (dB)	DROPPED HEADERS WITHOUT ERROR DETECTION		IMPROVEMENT (%)
	34	36	
6	1429	1281	10.36
7	1028	884	14.01
8	700	591	15.57
9	454	401	11.67
10	278	243	12.59
11	180	140	22.22
12	101	87	13.86
13	59	47	20.34

40

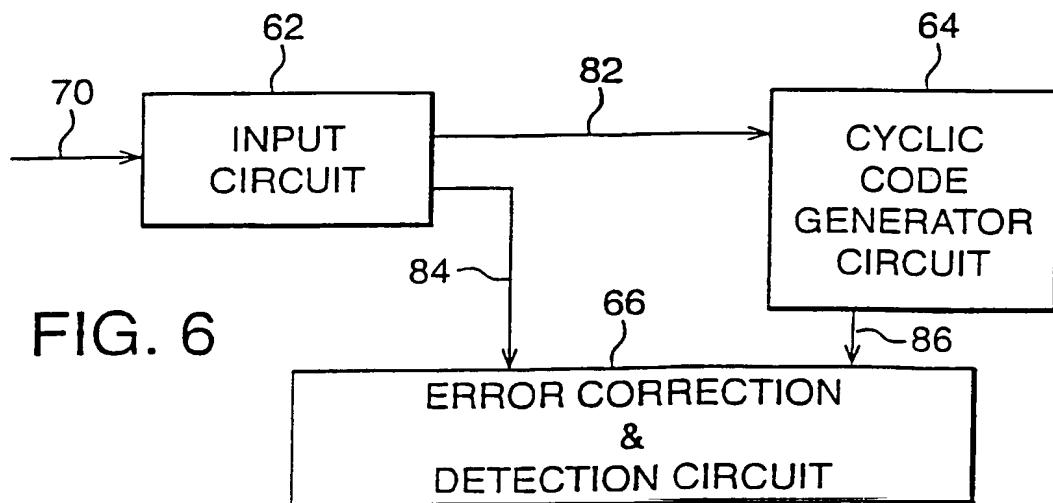
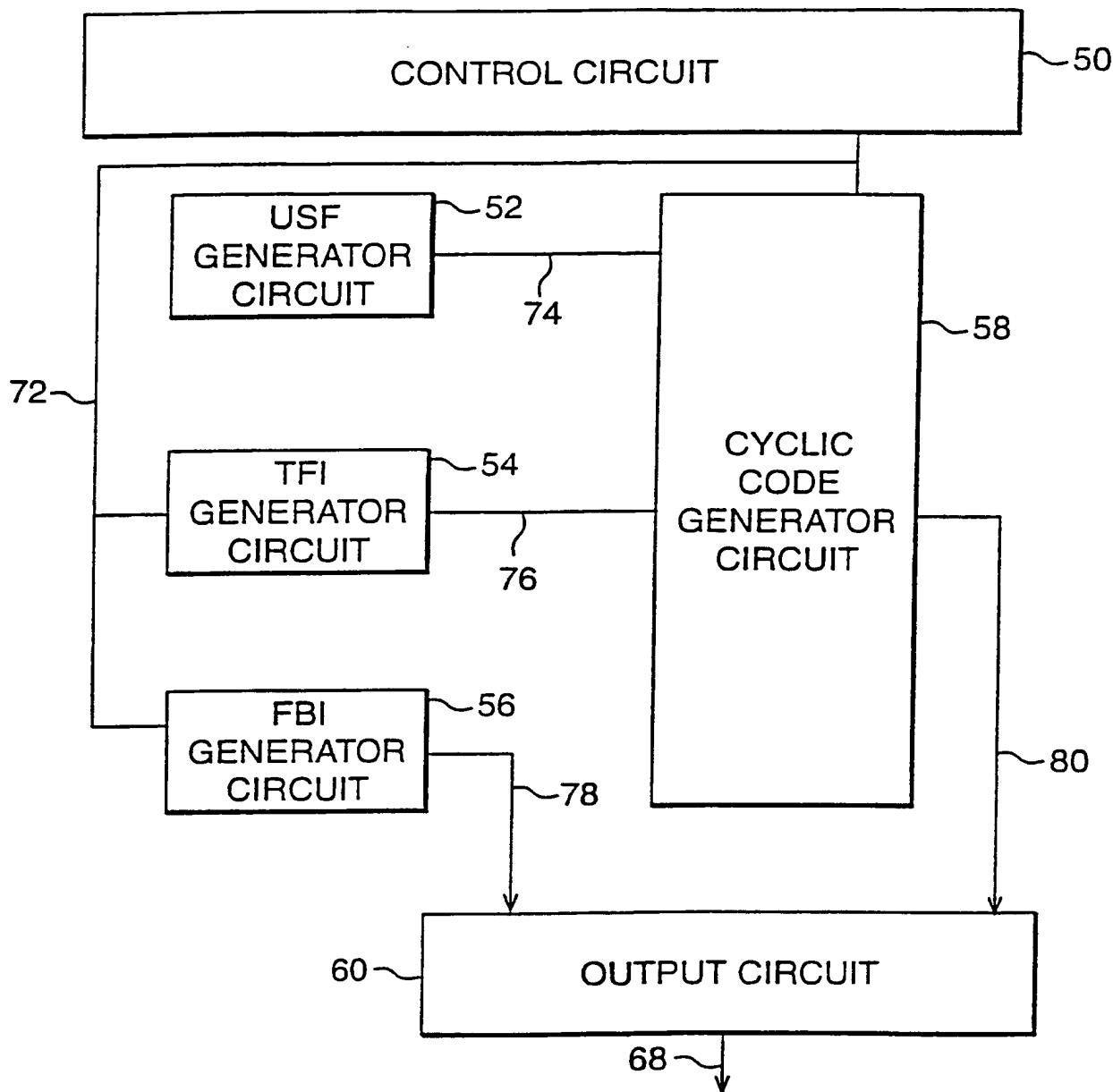
38

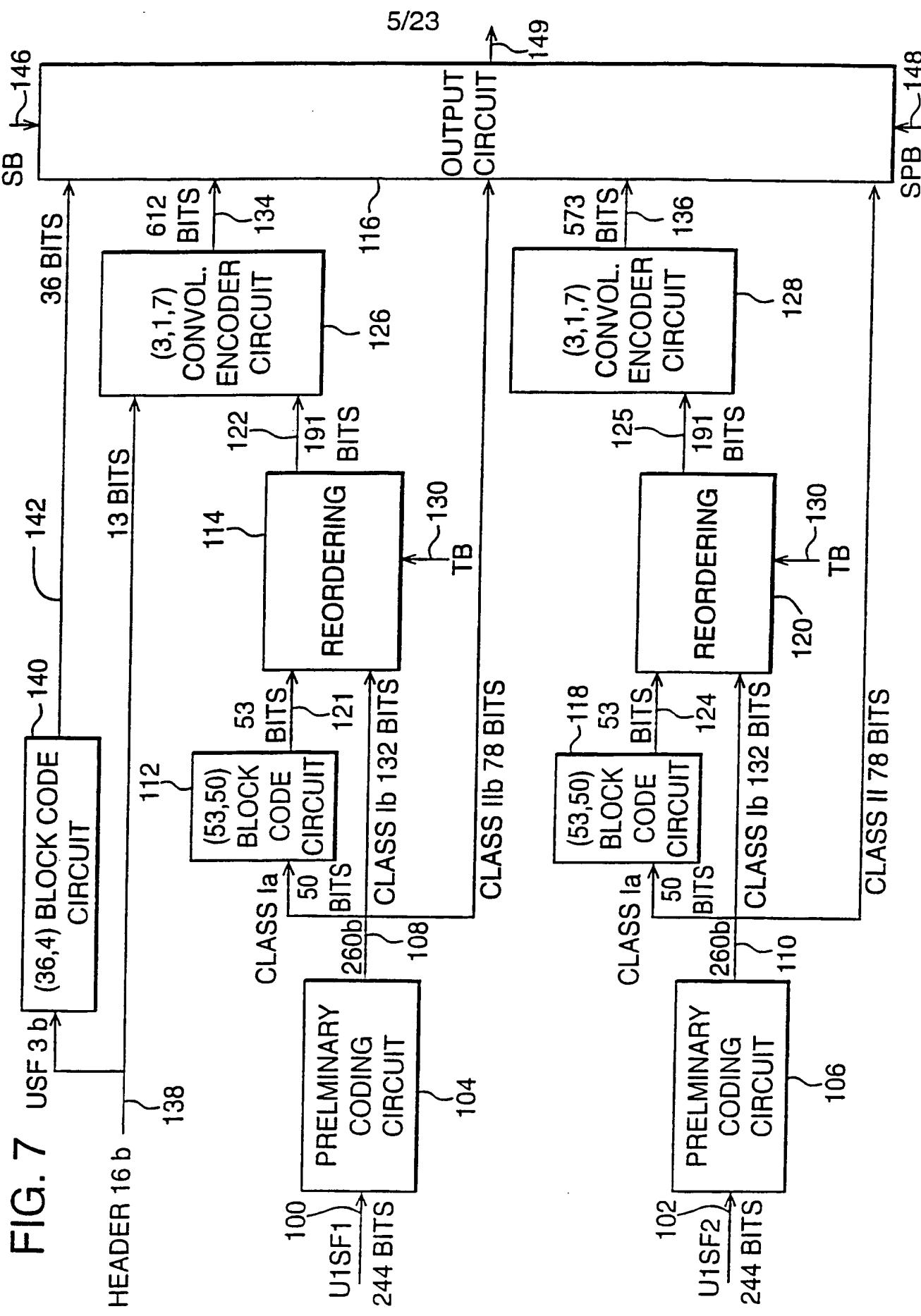
FIG. 4(b)

36

34

C/I (dB)	DROPPED HEADERS WITHOUT ERROR DETECTION		IMPROVEMENT (%)
	34	36	
6	1453	1258	13.42
7	1087	930	14.44
8	715	608	14.96
9	498	402	19.27
10	285	230	19.29
11	199	157	21.10
12	98	74	24.49
13	49	39	20.41

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FIG. 5**FIG. 6**



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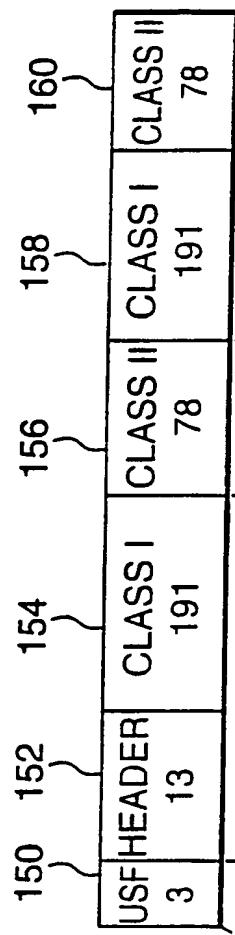


FIG. 8(a)

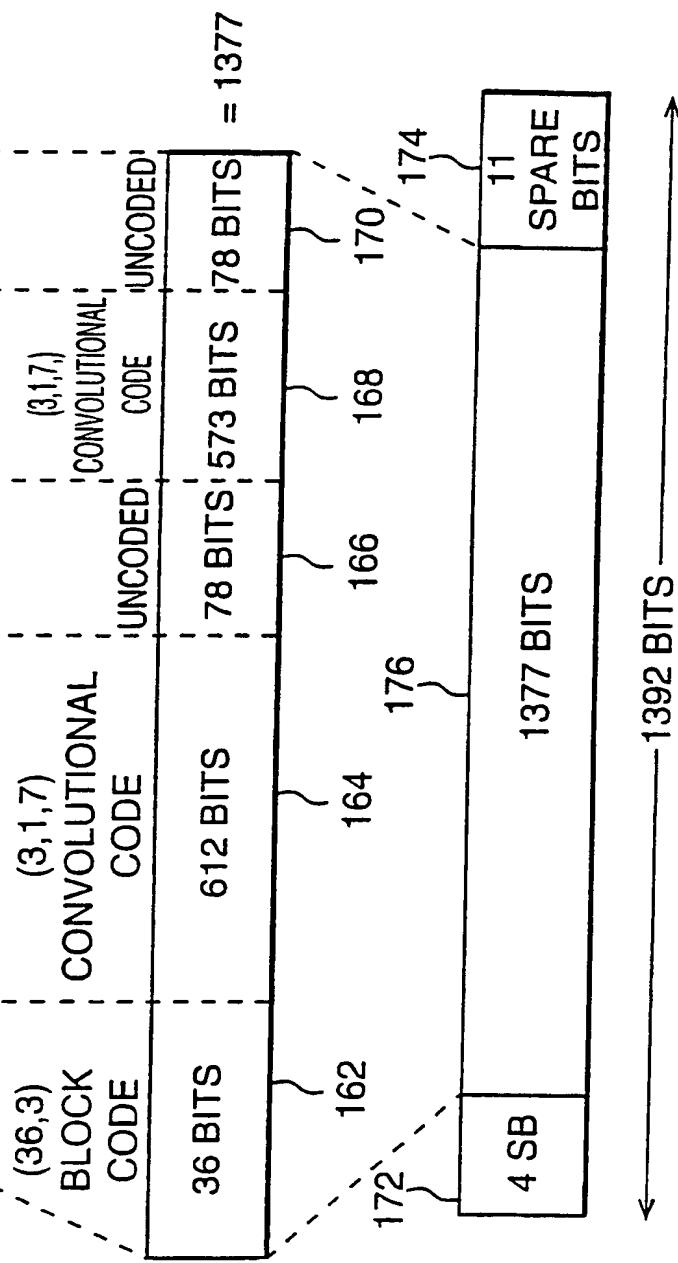


FIG. 8(b)

FIG. 8(c)

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FIG. 9(a) 1st SPEECH FRAME →→→ 2nd SPEECH FRAME →

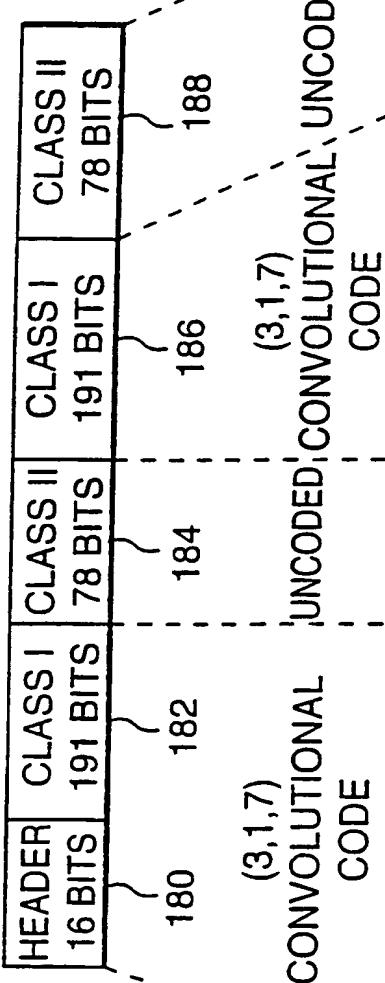


FIG. 9(b)

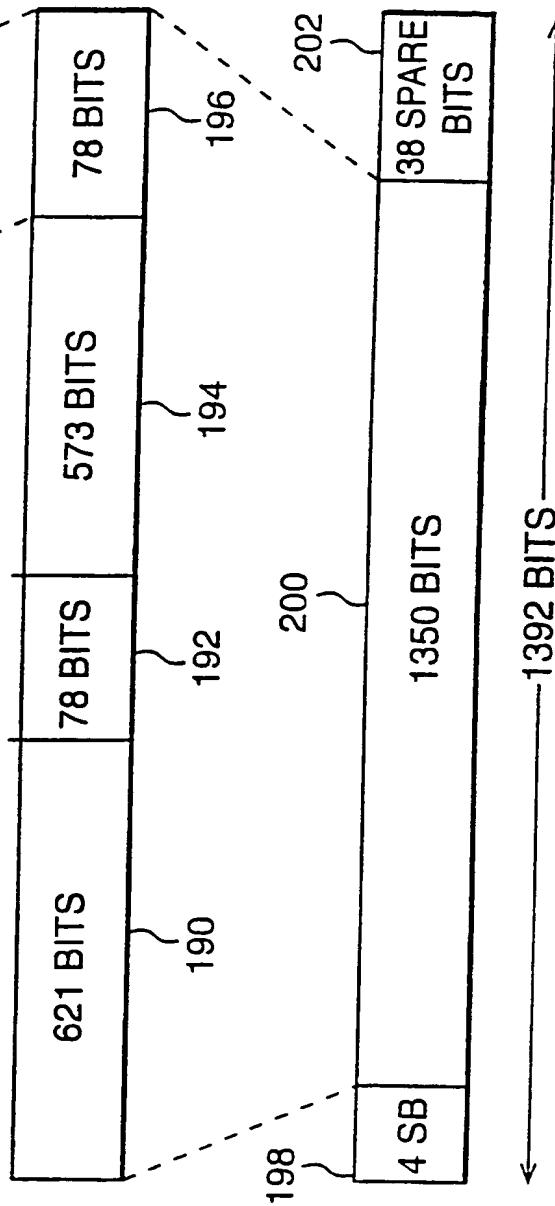
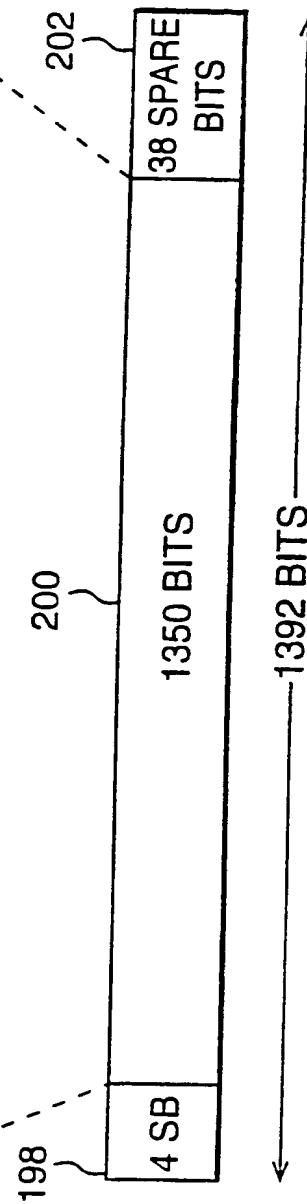
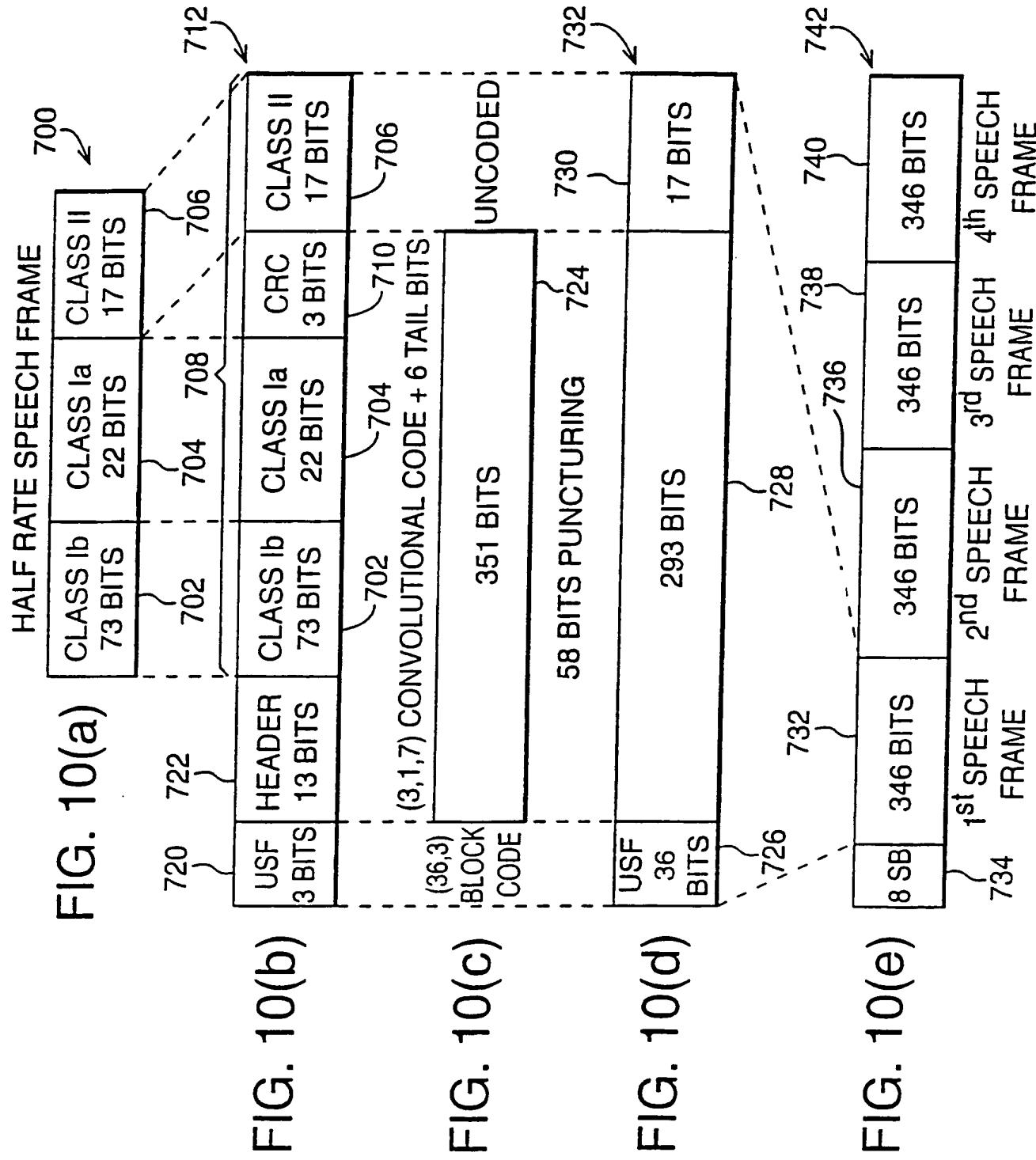


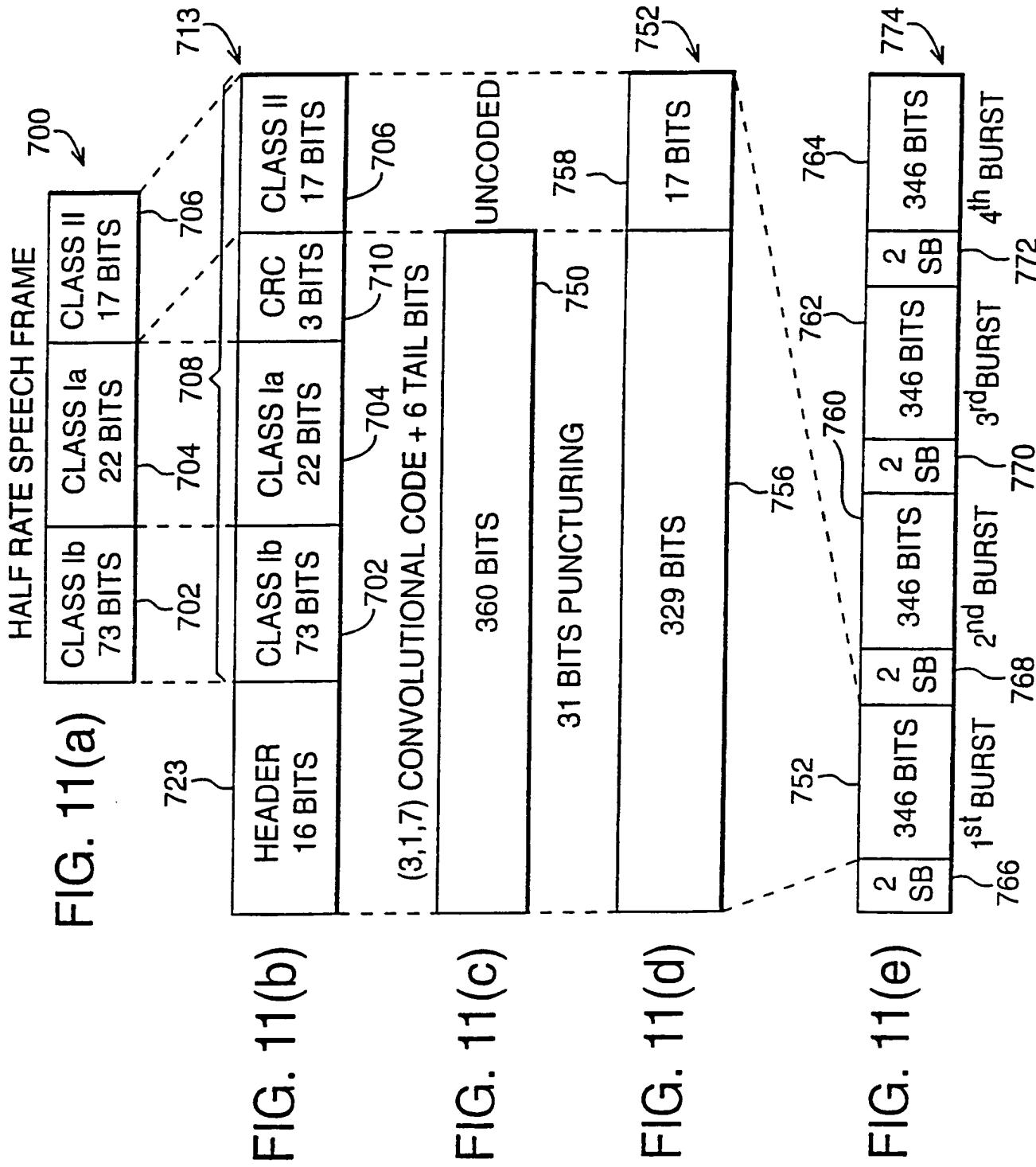
FIG. 9(c)

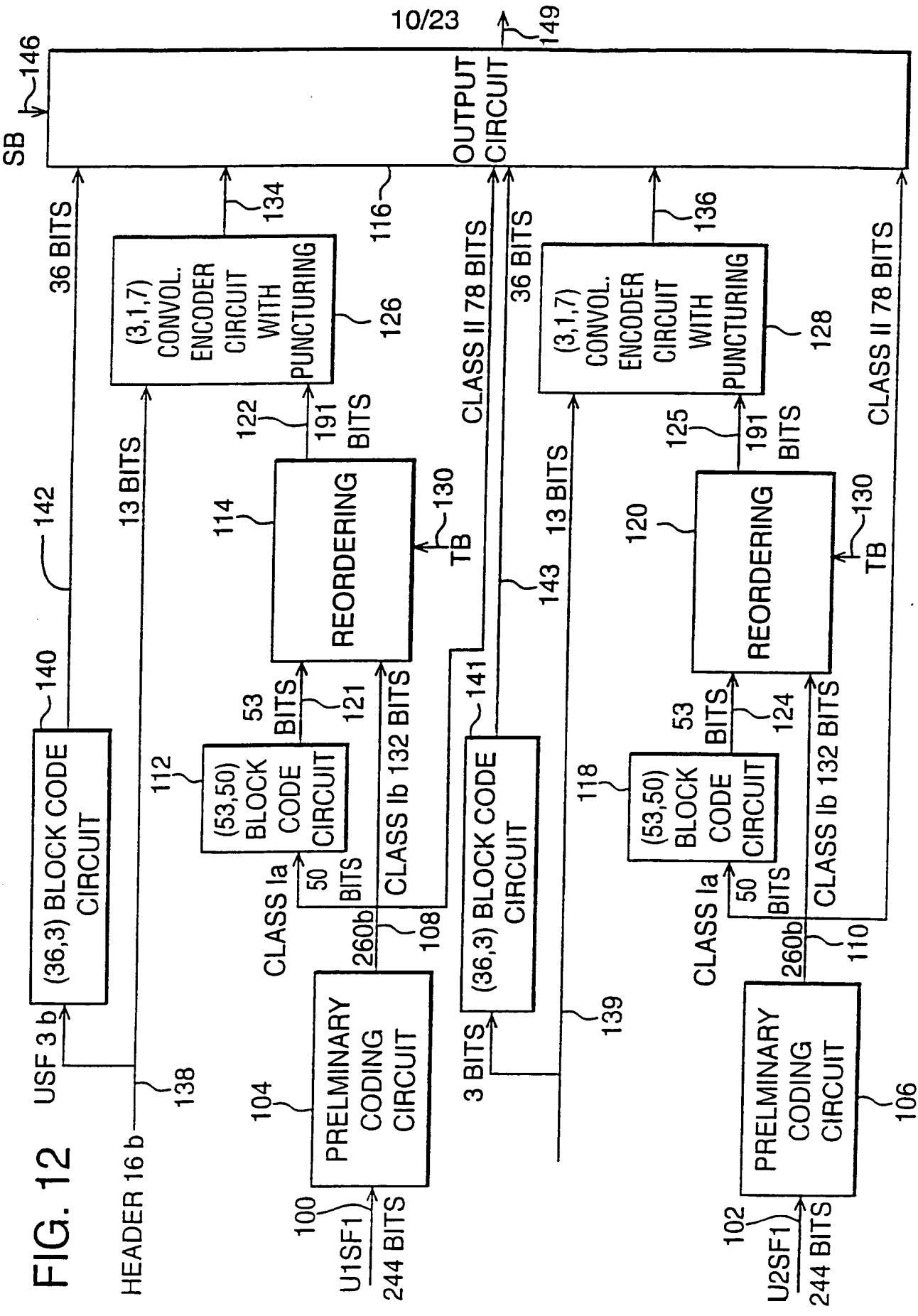


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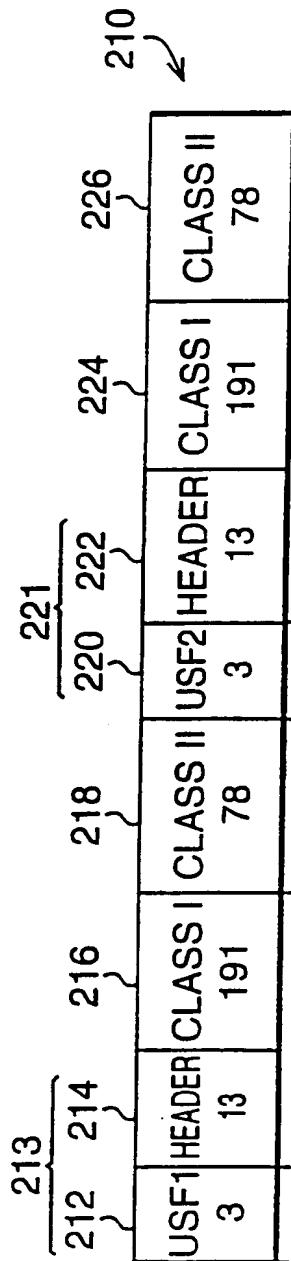


FIG. 13(a)

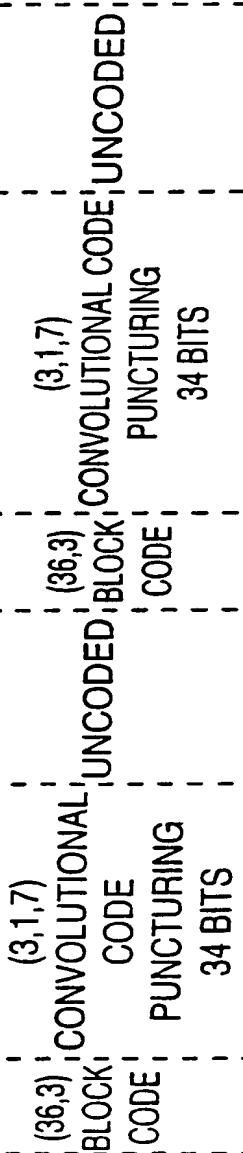


FIG. 13(b)

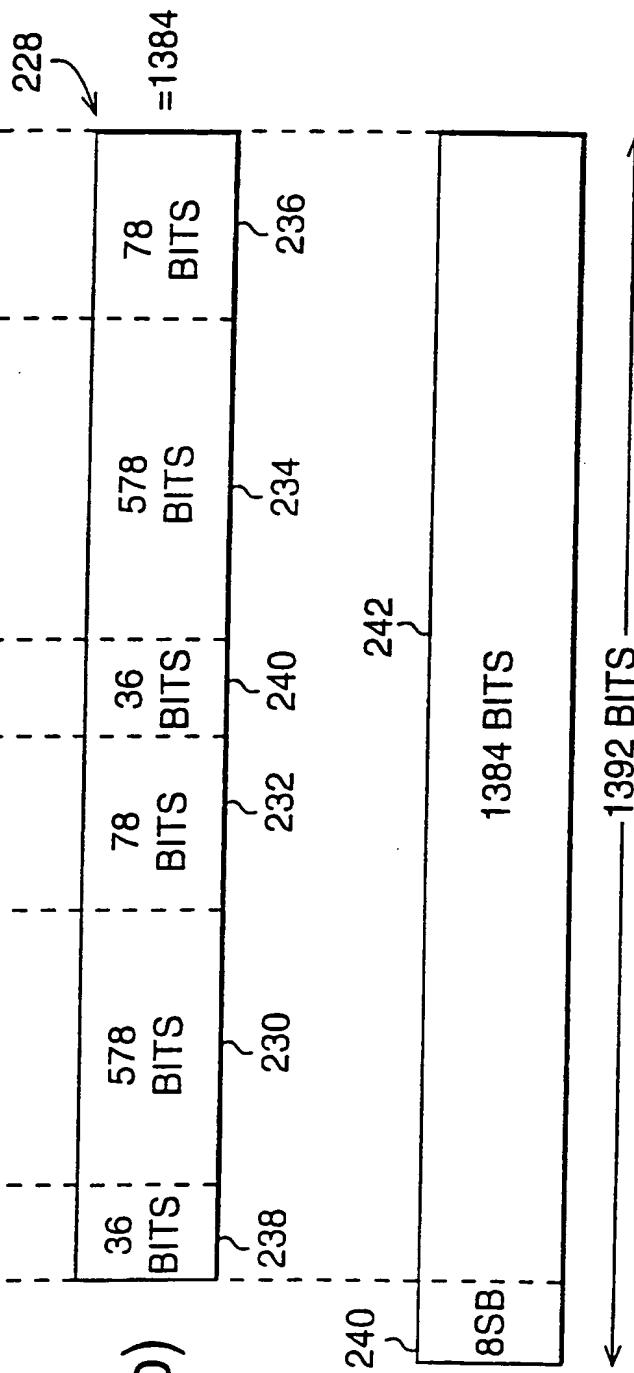


FIG. 13(c)

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FIG. 14(a)

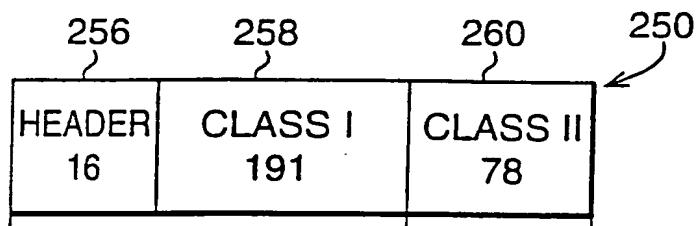


FIG. 14(b)

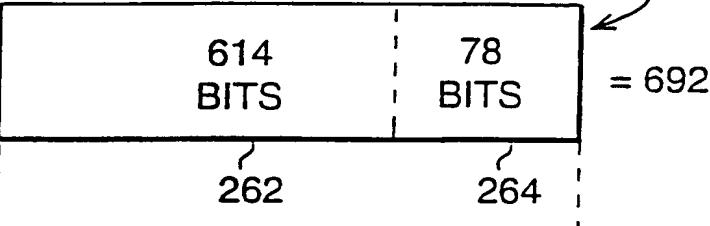


FIG. 14(c)

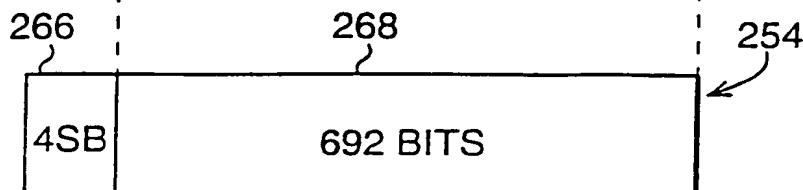
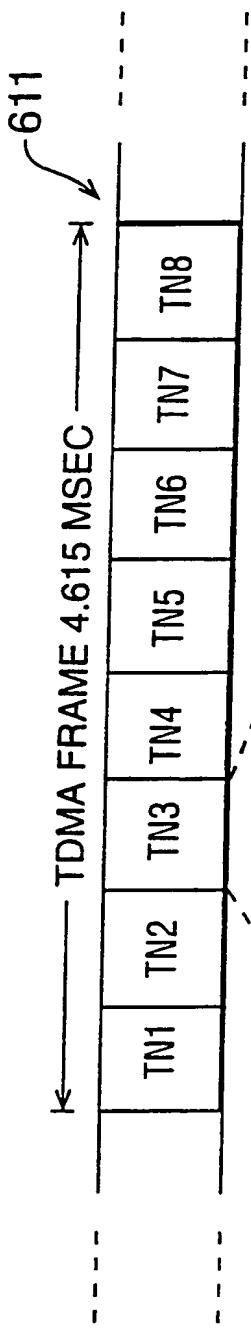
 $\longleftrightarrow 1392/2 = 696 \text{ BITS} \longrightarrow$

FIG. 15(a)



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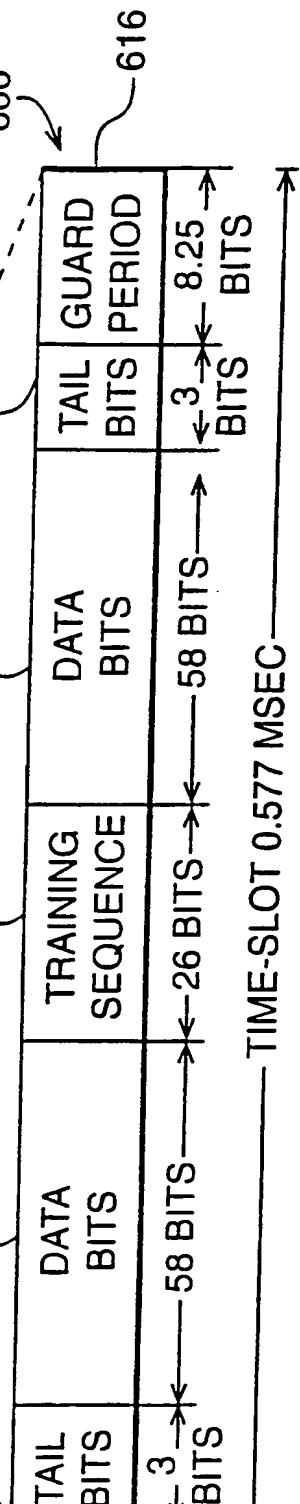
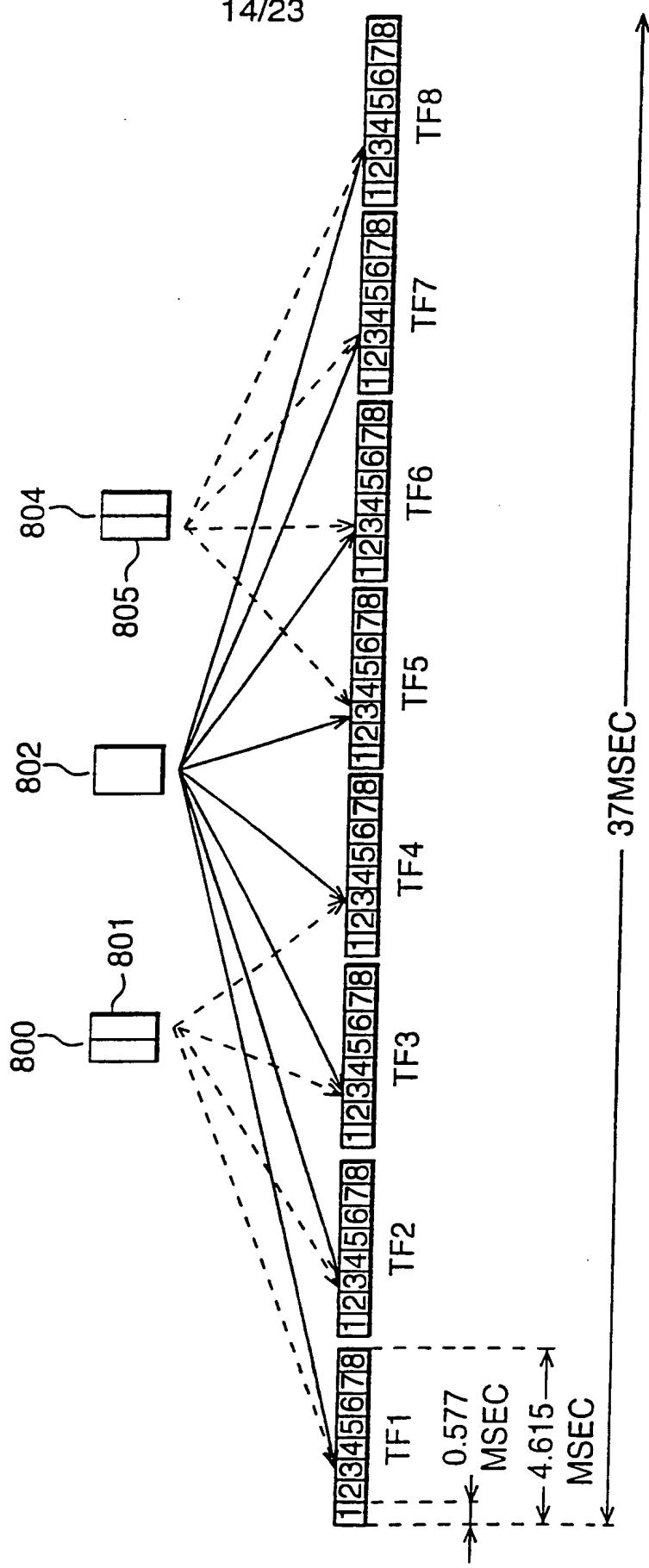


FIG. 15(b)

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FIG.15(c)

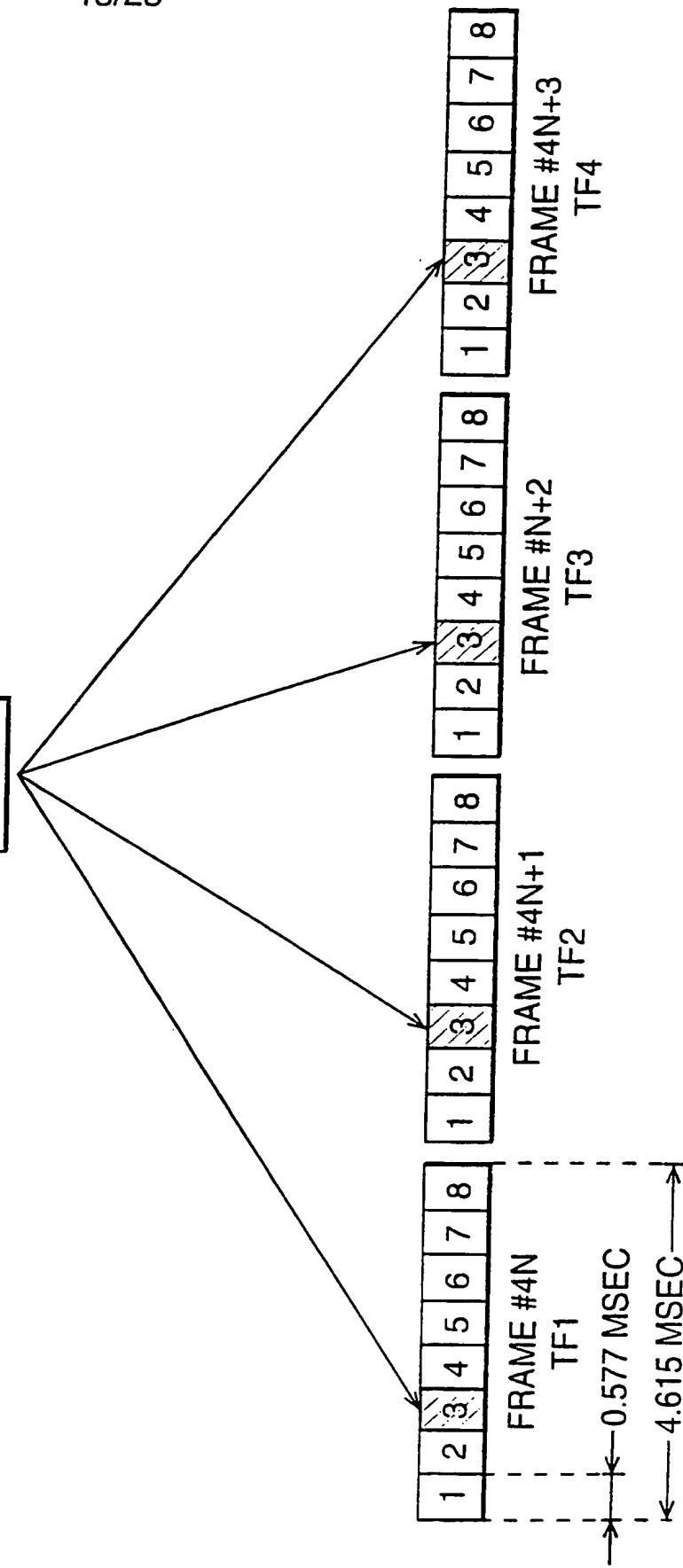


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FIG. 15(d)

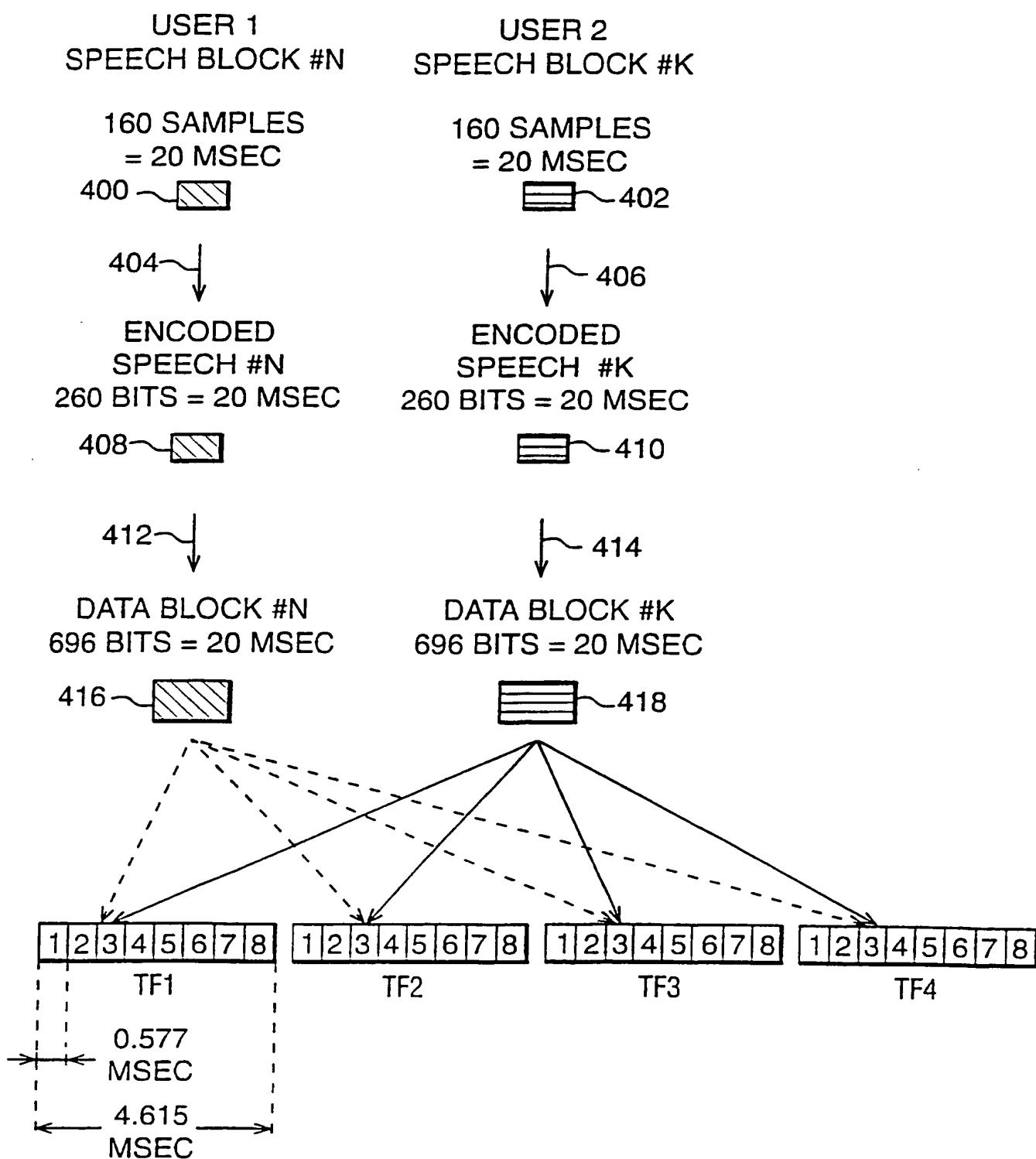
1392 BITS

810~



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FIG.16



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FIG.17

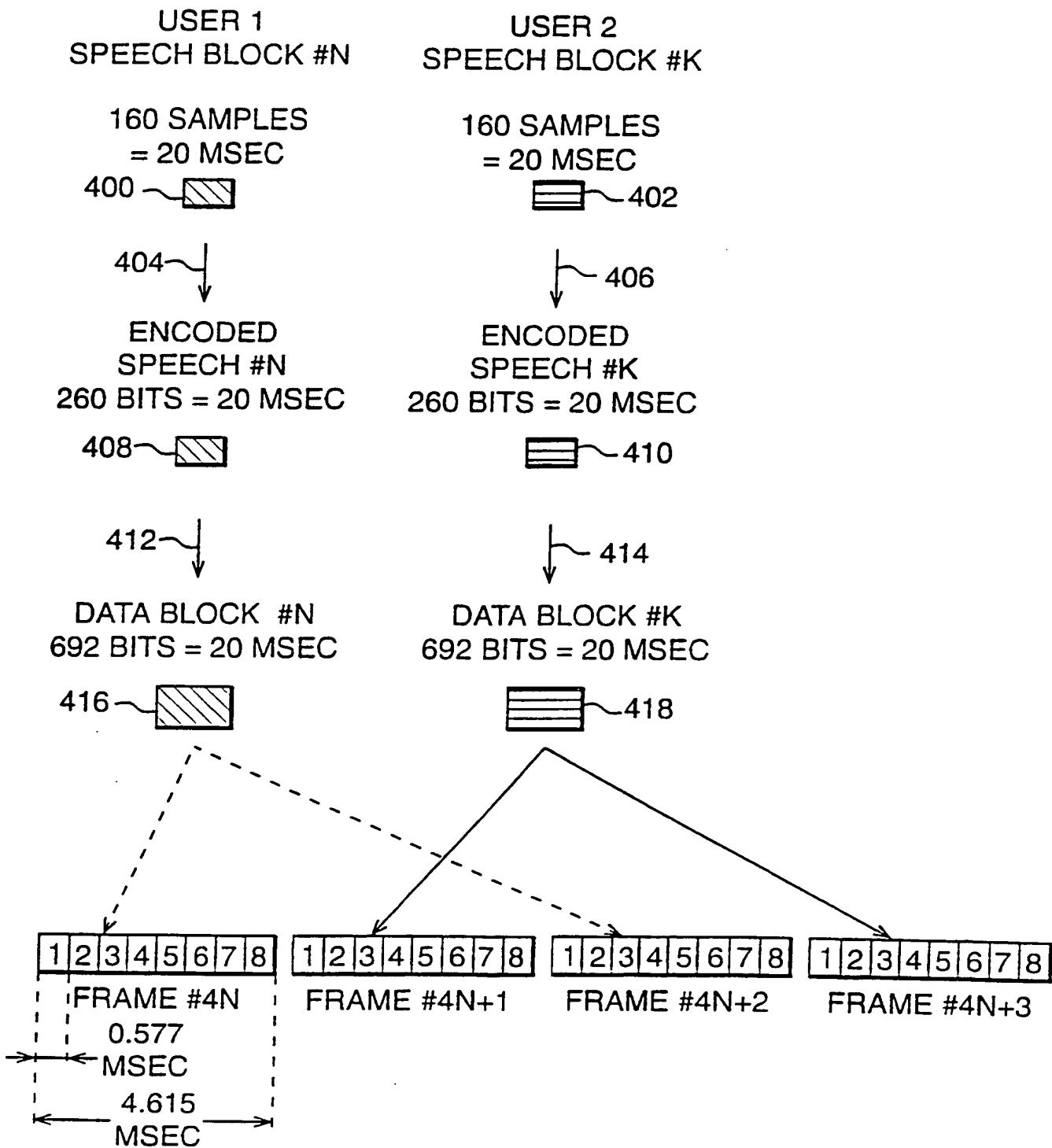
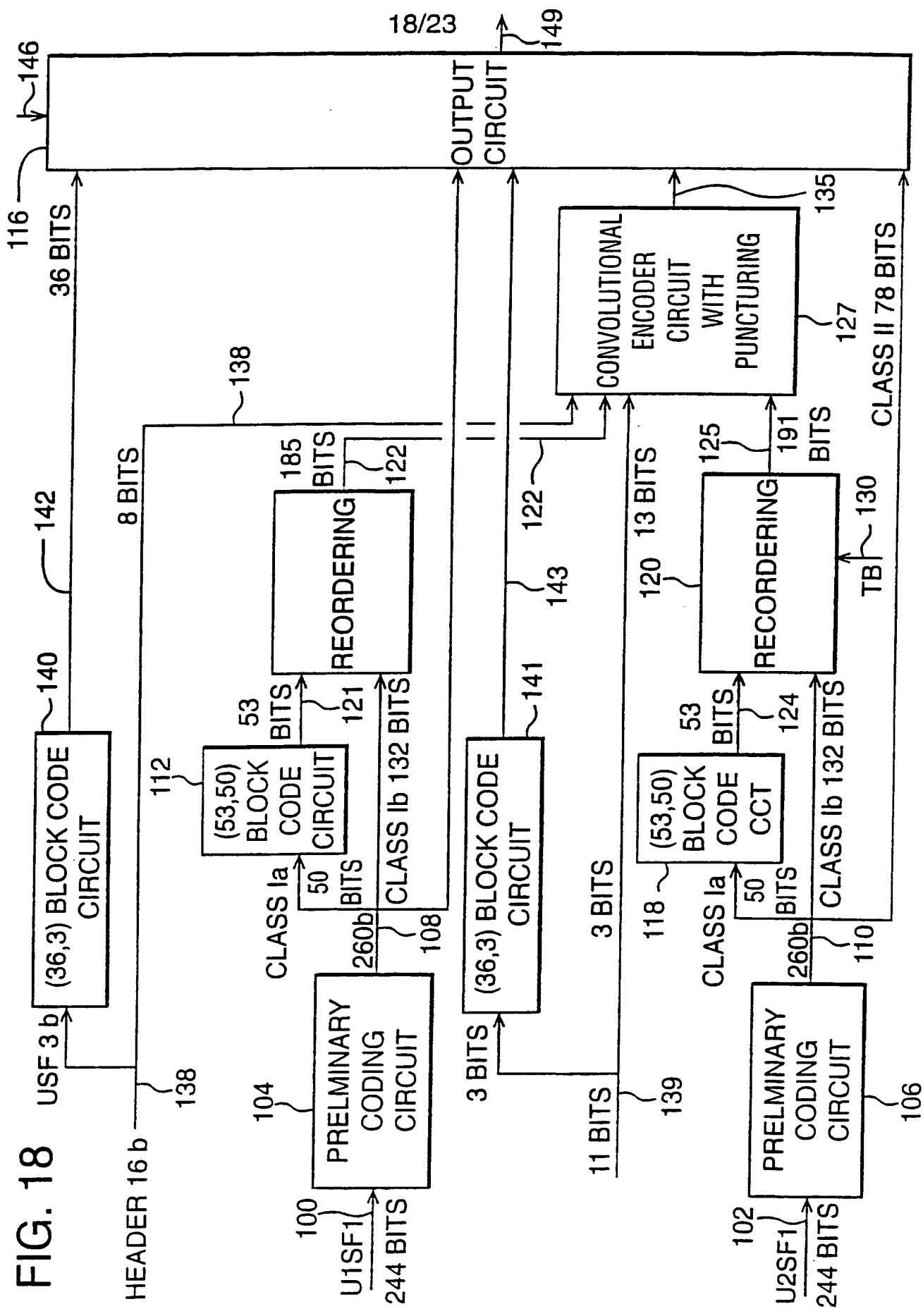
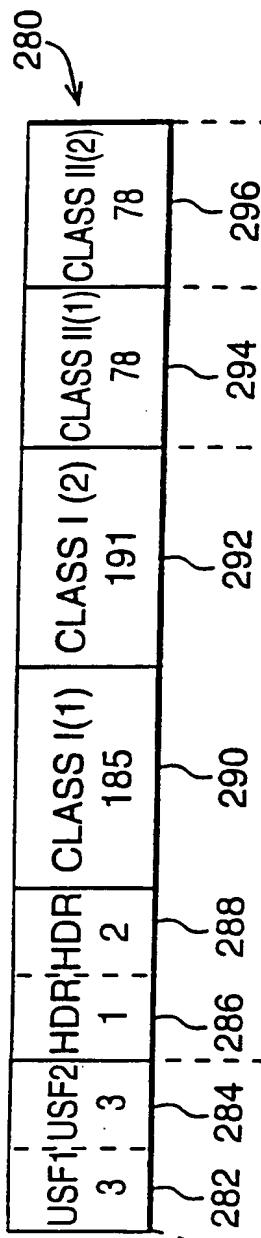


FIG. 18 USF 3 b (36,3) BLOCK CODE ~ 140 — 142



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(36,3)
BLOCK CODE
(3,1,7)
CONVOLUTIONAL CODE
PUNCTURING 16 BITS

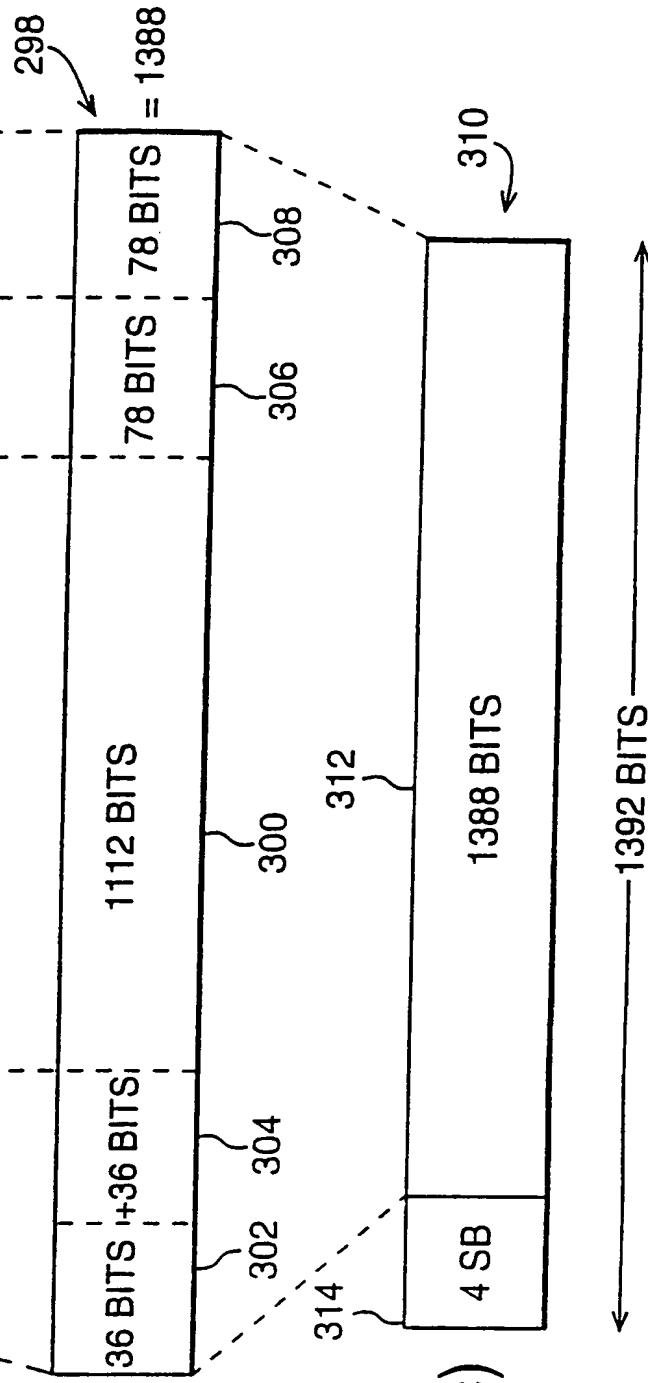


FIG. 19(c)

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FIG. 20(a)

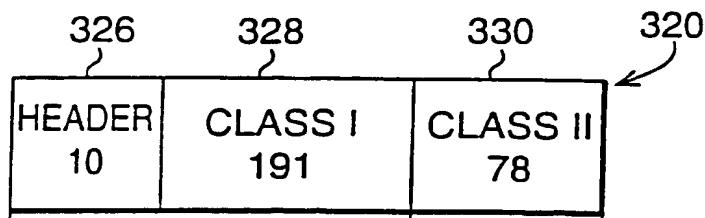


FIG. 20(b)

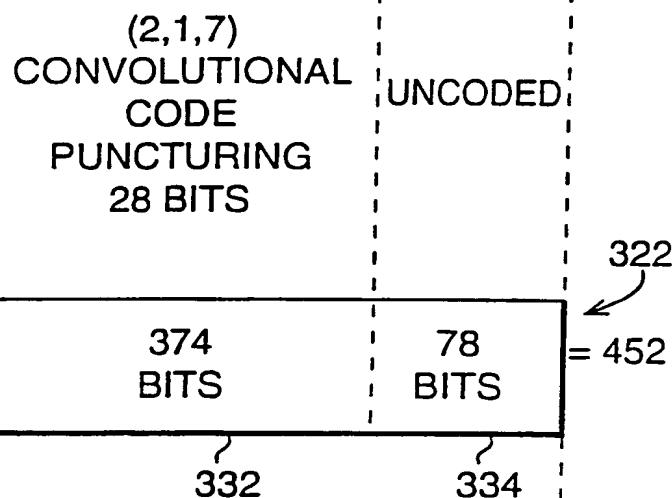
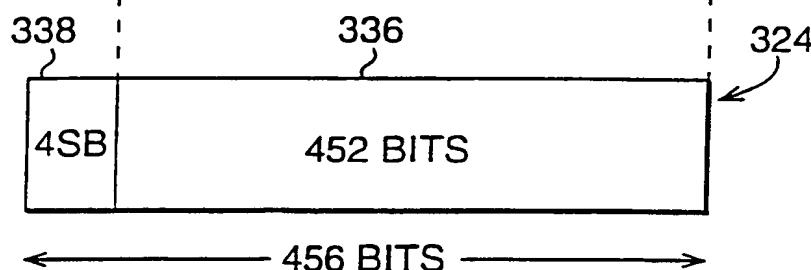
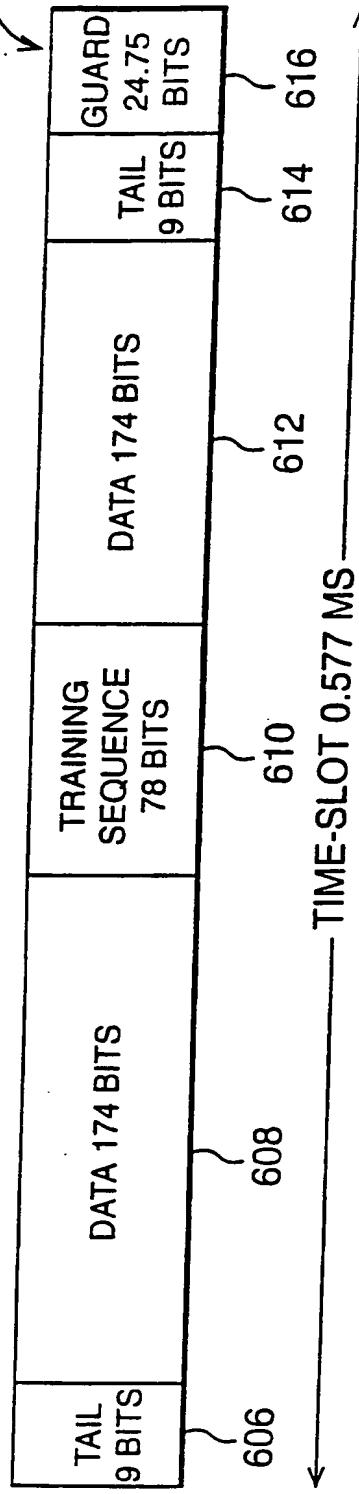


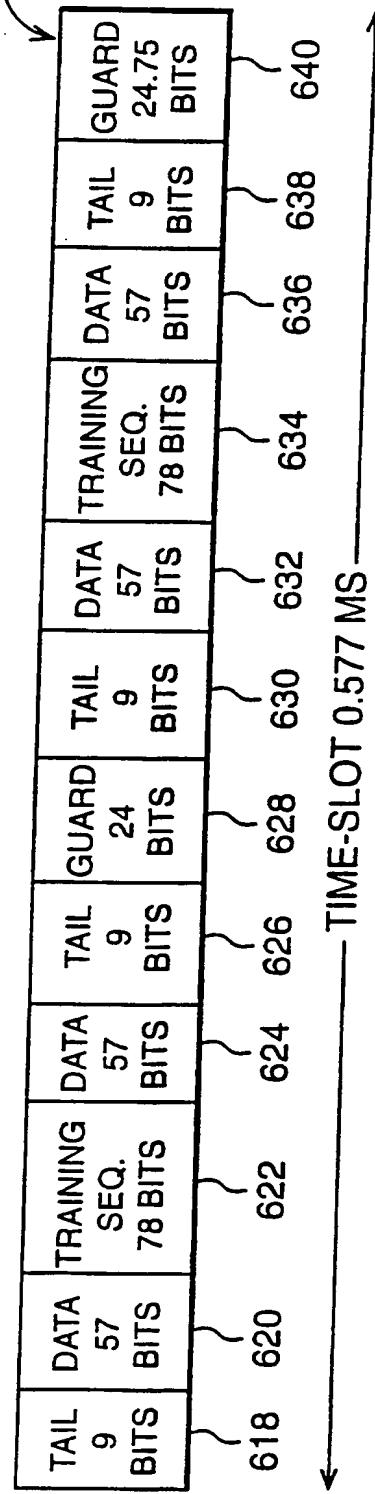
FIG. 20(c)



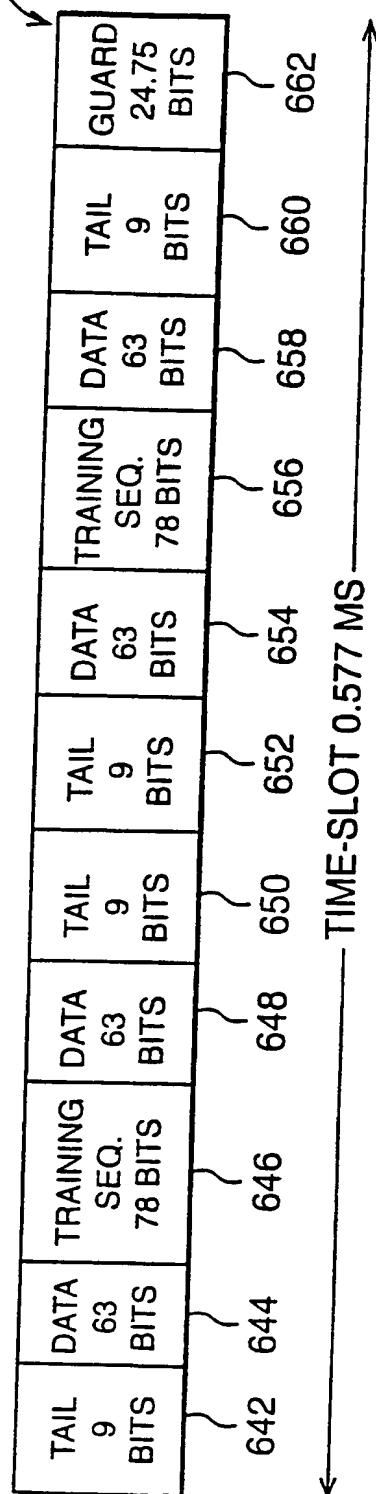
600



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FIG. 23(a)

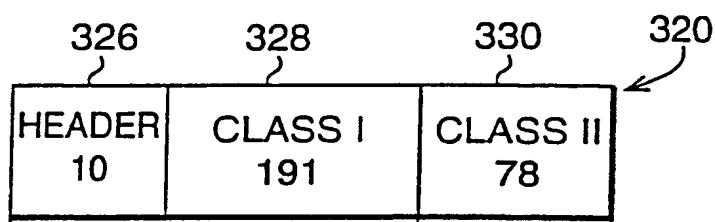


FIG. 23(b)

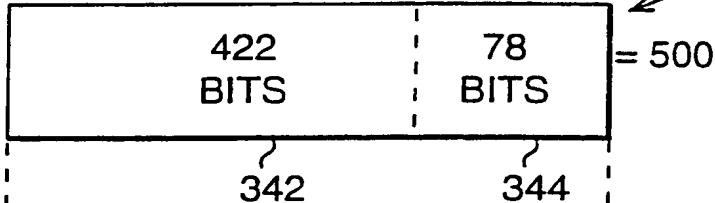
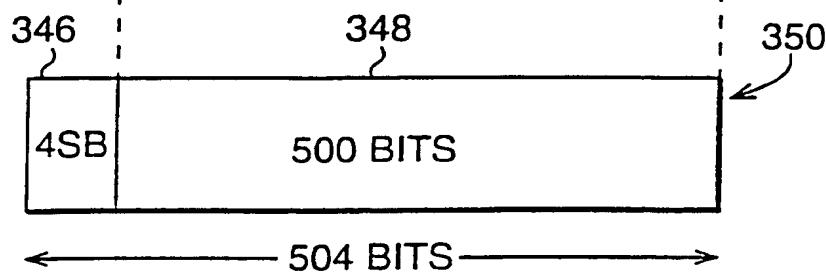


FIG. 23(c)



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FIG. 25

